

Programmkonstruktion - Principles of Computing

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written examination, 90 minutes, 72 Points

First name	
Sure name	
Matr. number	
Points	
Mark	

1. Write the number ten in binary notation. (Points: 4)

2. We have the following variables within a JAVA-program: seconds, minutes, hours, days (containing values already entered) which describe some time interval, write an expression, that assigns the number of seconds to the variable lengthOfTime. (Points: 8)

3. This JAVA code write something on the screen, give the result: (Points: 6)

```
String a = "Hallo";  
String b;  
b = a;  
a = "Mars";  
String c = "World";  
System.out.println(a);  
System.out.println(b);  
System.out.println(c);
```


8. The following part of a JAVA method contains a small quiz, there are three errors, please mark them and give the correction. (Points: 6)

```
int Answer;
do{
    TextIO.put("give me a lucky number:")
    answer=TextIO.getlnInt();
}
while( answer = 7 );
TextIO.put("Good Luck!");
```

9. The JVM is a central element of Java, what is the principal task of this element. (Points: 5)

10. Applets use events to start activities. Give five different mouse related events (Points: 5)

11. Write the code, to include the quadratic (200 pixel) applet myClock.class into a HTML page (Points: 10)